



Response Under 37CFR 1.116  
EXPEDITED PROC.  
GROUP 3641

RESPONSE UNDER 37 CFR 1.116  
EXPEDITED PROCEDURE  
EXAMINING GROUP 3641

16 updates  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

APR 02 2003

GROUP 3600

For: METHOD TO CONTROL REACTIONS  
INVOLVING ISOTOPIC FUEL  
WITHIN A MATERIAL USING  
ORTHOGONAL ELECTRIC-FIELDS

Serial no. 09/ 748,691

Filed: 12/26/2000

This is a division of Serial no. 07/ 760,970

Filed: 09/17/1991

Group Art Unit: 3641

Examiner: Palabrica, R.J.

March 24, 2003

## Applicant's Response To The Office Communication of 2/3/03

To Whom it Does Concern:

### AMENDMENTS OF CLAIMS AND SPECIFICATION

In response to the Office communication dated 2/3/03 (cover as Exhibit "A", attached), please amend the above-identified application as follows:

#### In The Claims

Please amend claim 1 as follows:

1. (Amended) In a process for producing heat or a nuclear product using a material loaded with an isotopic fuel, a method to control the production of said product which includes in combination:

- applying an electric field to load said isotopic fuel to said material,
- loading said isotopic fuel into said material,
- applying a second electric field in a non-parallel direction to the first applied electric fields,
- producing redistribution of said isotopic fuel within said loaded metal,
- thereby controlling the product produced.